

KOWALSKI, Mieczyslaw

Statistical considerations on gerontological problems. Chir.narz.
ruchu ortop.polska 24 no.6:457-462 '59.

l. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala Nr 8 w
Warszawie. Ordynator: prof. dr Z. Ambros.

(CERIATRICS)
(ORTHOPEDICS)

FURA, Marian; KOWALSKI, Mieczyslaw

Smith's type of fracture. Chir.narz.ruchu ortop.polska 25 no.3:
223-227 '60.

l. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala Nr 8
w Warszawie Ordynator: prof. dr Z.Ambros
(RADIUS fract & disloc)

KOWALSKI, Mieczyslaw

A case of Codman's tumor. Chir.narz.ruchu ortop.polska 25 no.3:
265-268 '60.

1. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala Nr 8
w Warszawie Ordynator: prof. dr Z.Ambros
(CHONDROMA case reports)
(TIBIA neopl)

KOWALSKI, Mieczyslaw

Fracture of the clavicle. Polski przegl. chir. 32 no.5:
449-451 My '60.

1. Z Oddzialu Ortopedyczno-Urazowego Szpitala Miejskiego nr.
8 w Warszawie, Ordynator: prof. dr. Z. Ambros.
(CLAVICLE fract. & disloc.)

AMBROS, Zygmunt; KOWALSKI, Mieczyslaw

Reparative procedures in false joints of the tibia with extensive bone defects. Chir. narz. ruchu ortop. polska 26 no.6:629-633 '61.

l. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala Nr 8 w Warszawie Ordynator: prof. dr. Z. Ambros.
(TIBIA fract & disloc) (PSEUDARTHROSIS surg)

STANIEWSKI, Ryszard; KOWALSKI, Mieczyslaw; GOGACZ, Edward; SOKOLOWSKA, Franciszka

Susceptibility of Rhizobium strains to phages. Acta microbiol. polon.
11 no.3:245-254 '62.

1. From the Department of General Microbiology, Mariae Curie-Sklodowska University, Lublin.
(RHIZOBIUM) (BACTERIOPHAGE)

KOWALSKI, Mieczyslaw

Therapeutic problems in Sprengel's syndrome. Chir. narząd. ruchu ortop.
pol. 27 no.5:623-630 '62.

l. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala nr 8 w Warszawie
Ordynator: prof. dr Z. Ambros.
(SCAPULA)

AMBROS, Zygmunt; KOWALSKI, Mieczyslaw

On periosteal ossifying chondroma. Chir. narzad. ruchu ortop. pol.
27 no.6:753-760 '62.

1. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala Nr 8 w
Warszawie. Kierownik: prof. dr Z. Ambros.
(CHONDROMA)

ZABOKRZYCKI, Juliusz; KOWALSKI, Mieczyslaw

A case of chondropathia calcificans. Chir. narzad. ruchu ortop. pol.
27 no.6:761-768 '62.

1. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala Nr 8 w
Warszawie-Kierownik: prof. dr Z. Ambros.
(CARTILAGE) (CALCIFICATION)

KOWALSKI, Mieczyslaw; STANIEWSKI, Ryszard; HALABIS, Zofia

The influence of chemical agents on Rhizobium bacteriophages.
Acta microbiol. polon. 12 no.3:175-180 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska University, Lublin.

(RHIZOBIUM) (DYES) (UREA) (SODIUM)
(CITRATES) (BACTERIOPHAGE)

KOWALSKI, Mieczyslaw; STANIEWSKI, Ryszard; PARANIAK, Maria

The effects of osmotic shock and ultraviolet radiation on Rhizobium bacteriophages. Acta microbiol. polon. 12 no.3: 180-183 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska University, Lublin. 2. Adres autorow: Zaklad Mikrobiologii Ogolnej UMCS, Lublin, Al. Racławickie 20, Polska

(RHIZOBIUM) (ULTRAVIOLET RAYS)
(RADIATION EFFECTS) (OSMOSIS)
(BACTERIOPHAGE)

STANIEWSKI, Ryszard; KOWALSKI, Mieczyslaw; GORZKOWSKA, Kazimiera

The rate of phage adsorption on Rhizobium cells. Acta microbiol.
polon. 12 no.3:184-187 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska University, Lublin.
(RHIZOBIUM) (BACTERIOPHAGE)

STANIEWSKI, Ryszard; KOWALSKI, Mieczyslaw; LOMANSKA, Irena

Neutralization of Rhizobium phages by antiphage sera; preliminary note. Acta microbiol. polon. 12 no.3:187-191 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska University, Lublin. 2. Adres autorow: Zaklad Mikrobiologii Ogolnej UMCS, Lublin, Al. Racławickie 20, Polska.

(RHIZOBIUM) (NEUTRALIZATION TESTS)
(IMMUNE SERUMS) (BACTERIOPHAGE)
(BACTERIOPHAGE TYPING)

BRZEZINSKI, Romuald; KOWALSKI, Mieczyslaw; PARADYSTAL, Tadeusz

Economic losses resulting from accidents. Chir. narzad. ruchu
ortop. pol. 28 no.3:353-358 '63.

1. Z Oddzialu Ortopedyczno-Urazowego Szpitala Miejskiego Nr 8
w Warszawie Ordynator: prof. dr Z. Ambros.

(ACCIDENTS) (HANDICAPPED) (ECONOMICS)
(STATISTICS)

KOWALSKI, Mieczyslaw; WAWRZYNIUK, Jozef

Surgical treatment of habitual dislocations of the patella.
Chir. narzad. ruchu ortop. Pol. 29 no.2:197-203 '64.

1. Z Oddzialu Ortopedyczno-Urazowego Miejskiego Szpitala Nr 8
w Warszawie (Ordynator: prof. dr. Z. Ambros).

KOWALSKI, Mieczyslaw

2 cases of bilateral clivicular fractures. Chir. narzad. ruchu
ortop. Pol. 29 no. 4:465-467 '64.

1. Z Oddzialu Ortopedycznno-Urazowego Miejskiego Szpitala Nr 8
w Warszawie (Ordynator: dr J. Wawrzyniuk).

L 34593-66 EWT(d) IJP(c)

ACC NR: AP6025542

SOURCE CODE: CZ/0081/66/091/001/0001/0003

AUTHOR: Kowalski, Oldrich--Kovalski, O. (Brno); Pondelicek, Bedrich--Pondelichek, B. (Podebrady)

ORG: [Pondelicek] Electrical Engineering Faculty, CVUT, Podebrady (Fakulta elektrotechnicka CVUT)

TITLE: Characters of chains

SOURCE: Casopis pro pestovani matematiky, v. 91, no. 1, 1966, 1-3

TOPIC TAGS: mathematic transformation, isomorphism, set theory

ABSTRACT: In the article, by a character is meant each isotone mapping \emptyset from the chain M into the chain $U = \{0, 1; 0 < 1\}$ such that if M has the largest element u, then $\emptyset(u) = 1$. By the symbol M^U is meant an ordered set of all characters on M which is comprehended as a part of the cardinal power U^M . Two theorems are proved.
[Based on authors' Eng. abst.] [JPRS: 35,386]

SUB CODE: 12 / SUBM DATE: 06Apr64 / OTH REF: 002

Card 1/1 AY

0776 0931

KOWALSKI, Oldrich (Brno)

Positively determined bases over integrity rings of real numbers.
Cas pro pest mat 86 no.2:132-147 '61. (EEAI 10:9)

(Rings(Algebra))

KOWALSKI, Odrlrich

On the theory of 0-ideals in non-commutative rings. Cas pro pes mat
87 no.4:424-439 0 '62.

1. Vysoké učení technické, Brno, Havlíckova 51.

KOWALSKI, Oldrich (Brno, Havlickova 51)

The structure of functions of several variables on final
ensembles. Mat fyz cas SAV 11 no.2:82-87 '61.

KOWALSKI, Oldrich

Conception of quasi divisibility in the whole l-semigroups.
Cas pro pest mat 89 no.1:53-77 F '84.

1. Higher School of Technology, Brno, Havlickova 51. Submitted
October 25, 1962.

KOWALSKI, Roman

Instytut Onkologii w Gliwicach

Evaluation of tumors of the large intestine according to cases at
the Institute of Oncology in Gliwice. Polski przegl. chir. 26 no.12:
1101-1112 Dec 54.

1. Z Instytutu Onkologii, Oddzialu w Gliwicach. Kierownik: dr
K.Lotkowski.

(INTESTINE, LARGE, neoplasms,
hosp. statist.)

KOWALSKI, Roman

A case of displaced hepatic flexure between deformed liver and costal arch. Przegl. lek., Krakow 11 no.1:19-21 Jan 55.

1. Z instytutu onkologii w Gliwicach; dyr. dr. J.Swiecki; ordynator odd. chir. dr. K.Lotkowski.

(ABNORMALITIES

displaced hepatic flexure between deformed liver & costal arch)

(LIVER, abnormalities

deformed, with displaced hepatic flexure)

(COLON, abnormalities

displaced hepatic flexure between deformed liver and costal arch)

(RIBS

costal arch, with displaced hepatic flexure between deformed liver & costal arch)

KOWALSKI, Roman

Analysis of the incurable cases of rectal carcinoma on the basis
of the material of the Institute of Oncology branch at Gliwice.
Polski przegl.chir. 27 no.9:839-844 Sept. '55.
(RECTUM. neoplasms
carcinoma, uncurable cases, statist. analysis in
Gliwice, Poland)

KOWALSKI, Roman

Two cases of pseudocysts of the pancreas. Polski przegl.
chir. 27 no.10:1031-1035 Oct. '55.

1. Z Instytutu Onkologii-Oddzial w Gliwicach. Dyrektor:
dr. J. Swiecki. Kierownik Oddzialu Chirurg.: dr K. Lotkowski
Gliwice, ul. Zwyciestwa 51.
(PANCREAS, cysts,
pseudocysts)
(CYSTS,
pancreas, pseudocysts)

KOWALSKI, R.

"Comparative investigations on the pulmonary alveolar lining in mammals.
In English."

p. 361 (Bulletin. Serie B: Sciences Mathématiques Et Naturelles.)
No. 13, 1954/55 (published 1956)
Poznan, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

KOWALSKI, ROMUALD.

Histogeneza nablonka pecherzyka plucnego. Wrocław, Państwowy Zakład Wydawn Lekarskich, 1955. 48 p. (Wrocławskie Towarzystwo Naukowe. Prace. Seria B, no. 76) (Histogenesis of the epithelium of the pulmonary alveolus. illus., bibl.)

NN

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

KOWALSKI, Romuald

KLINOWSKA, Wanda; KOWALSKI, Romuald

Formation of pulmonary abscesses from bullous emphysema in children.
Polski tygod. lek. 12 no.39:1487-1492 Sept 57.

1. Z I kliniki Pediatricznej A. M. we Wrocławiu; kierownik prof. dr
Hanna Hirschfeldowa. Adres: Wrocław, ul. H. Wrośniec 13c I klin.
Pediatriczna A. M.

(EMPHYSEMA, PULMONARY, in infant and child
bullos, causing abscess (Pol))

(LUNGS, abscess,
in child., caused by bullous emphysema (Pol))

KOWALSKI, Romuald

KOWALSKI, Romuald (Wroclaw, ul. Rosenbergow 4)

Air embolism of the heart as a complication of interstitial emphysema & emphysematous bullae. Pediat. polska 32 no.10:1148-1152 Oct 57.

l.Z I Kliniki Pediatricznej A. M. we Wroclawiu Kierownik: prof. dr med. H. Hirszelfowa.

(CORONARY DISEASE, in inf. & child
air embolism caused by interstitial & bullous pulm.
emphysema (Pol))
(EMPHYSEMA, PULMONARY, in inf. & child
interstitial & bullous, causing coronary air embolism (Pol))

EXCERPTA MEDICA Sec 1/4 Vol 13/7 Radiology July 59
1361. RADIOLOGICAL AND HISTOPATHOLOGICAL PICTURES IN BULLOUS
EMPHYSEMA - Obraz radiologiczny i histologiczny pęcherzy rozedmowych -
Kowalski R., Klin. Pediat. A.M., Wrocław - POL. PRZEGL. CHIR.
1958, 22/2 (65-72) Illus. 12

In a 2-month-old child with bullous emphysema the radiological picture was correlated with the histological findings. The histological examination revealed the existence of 2 layers in the wall of the bullous cavity: an inner layer consisting of dense tissue, and an outer one, of atelectatic and insufficiently aerated lung parenchyma. Microscopically there were bullae of intermediate sizes which could not be visualized radiologically.

Marciniak - Wrocław

KOWALSKI, Romuald (Wroclaw, ul. Hoene Wronskiego 13c)

Giant abscesses of lungs in children. Pediat. polaka 33 no.2:155-164
Feb 58.

1. Z I Kliniki Pediatricznej A.M. we Wrocławiu Kierownik: prof. dr
med. H. Hirszfeldowa.
(LUNGS, abscess
giant in child, x-ray diag. (Pol))

LIPOWSKA, H.; KOWALSKI, R.; WASIEWICZ, W.

Unusual case of cerebral calcifications in a child. Polski przegl.
radiol. 25 no.3:231-237 My-Je '61.

l. Z I Kliniki Pediatricznej A.M. we Wrocławiu Kierownik: prof.
dr H. Hirschfeldowa.

(BRAIN dis) (CALCIFICATION in inf & child)

POLAND

CZYZEWSKA, Janina, CHATYS-GORSKA, Leokadia, and KOWALSKI,
Romuald; First Pediatric Clinic (I Klinika Pediatriczna),
AN [Akademia Medyczna, Medical Academy] in Wroclaw (Direct-
or: Prof. Dr. med. Hanna HIRSZFELDOWA)

"Free Fibrous Body in the Pleural Cavity. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 17, 22 Apr 63,
pp 599-601.

Abstract: [Authors' English summary] Authors report the
case of a 6-year old child with a free fibrinous ball and
pleural empyema, complicated by pneumoperitoneum, and de-
scribe the mechanism of the changes. Only a few such cases
have been reported in tuberculosis of the lungs where
artificial pneumothorax had been applied. There are ten
references, of which two each are in French and Italian,
and the others in German.

L/1

KOWALSKI, Romuald; SASSOWSKA, Janina

An unusual case of Hand-Schueller-Christian disease in a 6-year-old child. Pol. tyg. lek. 19 no.12:438-440 16 Mr '64.

1. Z I Kliniki Pediatricznej Akademii Medycznej we Wrocławiu (kierownik: prof. dr. med. Hanna Hirschfeldowa).

KOMAISKI, Romuald

Pulmonary changes in rickets. Pol. przegląd. radiol. z s. 38725.
232 My-Je '64

1. Sz I Kliniki Szczęśliwskiego Akademii Medycznej we Włocławku
(Kierownika prof. dr. H. Hirszfeldowa).

~~RYSZARD~~ KOWALSKI, R.

POLAND / Chemical Technology, Chemical Products and Their Application. Part 2. - Ceramics, Glass, Binders
Concretes. - Binders, Concretes and Other Silicate Building Materials.

H-13d

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12141.

Author : Ryszard Kowalski

Inst : Not given

Title : Suspension for Filling Cable Channels.

Orig Pub : Inz-ia i budown., 1957, 14, No 5, 206 - 208.

Abstract : The technology of preparing of a cement-aqueous suspension (CAS) for the protection of steel pipes from corrosion and better cohesion of steel with concrete was developed. The optimum results were obtained by the application of CAS with added foaming agent (colophony soap and glue).

Card 1/2

POLAND / Chemical Technology, Chemical Products and Their Application. Part 2. - Ceramics, Glass, Binders, Concretes. - Binders, Concretes and Other Silicate Building Materials.

H-13d

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12141.

Abstract : The compressive strength at the 28th day is about 380 kg per sq.cm, the cohesion at the 7th day is about 5.5 kg per sq.cm. CAS specimens are highly frostproof on condition that the amount of superficial pores does not exceed the free water volume more than by 10%. The porosity of CAS can be adjusted changing the duration of stirring.

Card 2/2

KOWALSKI, Ryszard, inz.

Vacuum dewatering of concrete as applied in hydraulic engineering.
Inst techn budow inf no.12:7-16 '63.

1. Zaklad Zelbetu i Betonu Sprezonego, Instytut Techniki Budowlanej, Warszawa.

KOWALSKI, S.; KOZLOWSKI, K.; SLAWEK, J.

Warfon machine tools at the 28th Poznan International Fair. p. 252.

MECHANIK. Warszawa, Poland. Vol. 32, no. 5, May 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960.
Uncl.

KOWALSKIS

KOWALSKI, S.

Coarse granulation of flour and its economic value, p. 26. (GOSPODARKA ZBOZOWA,
Warszawa, Vol. 6, no. 2, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), Vol. 4, No. 6, Jan. 1955,
Uncl.

BIRECKI, M.; DROESE, H.; KOWALSKI, S.; SMIERZCHALSKI, L.

Possibility of applying shallow ploughing and its proper application
in crop rotation (preliminary results of field investigations). Pt. 2.
Rocznik nauk roln 83 no.4:853-876 '61.

KOWALSKI, Stanislaw

POLAND

GRIGOROWICZ, Mieczyslaw, doc. dr inż.; KOWALSKI, Stanislaw, mgr.;
SZALONEK, Irena, mgr.

Department of Sanitary Chemistry, Politechnika Gliwice
Research Department of the Upper-Silesian Industrial
Center, Polish Academy of Sciences, (Katedra Chemii
Sanitarnej Politechniki Slaskiej, Gliwice, Zaklad Badan
Naukowych Gornozakladowego Okregu Przemyslowego Polskiej
Akademii Nauk), Zabrze. (for 811).

Warsaw, Chemia analityczna, No 5, September-October 1965,
pp 889-894.

"Determination of fluorine in plant material."

GRALSKI, Stanislaw, prof. dr.

Research work in development psychology of the Department of Pedagogy of the A. Mickiewicz University in Poznan. Prace psychol no. 7s76-79 '64.

I. Head, Department of Pedagogy, A. Mickiewicz University, Poznan.

KOWALSKI, Stanislaw, prof. dr

Professor Stefan Blachowski's works on developmental and educational psychology. Przegl psychol no. 6:41-58 '63.

Spoken language acquired by a preschool child as a basis for the development of his written language during the early school years. Ibid.:88-113.

1. Kierownik Katedry Pedagogiki, Uniwersytet im. Adama Mickiewicza, Poznan.

STEIN, Wladyslaw; KOWALSKI, Stanislaw

On essential acroosteolysis. Neurol neurochir psych 12 no.1:29-35
Ja-F '62

1. Klinika Neurologiczna, Warszawska Akademia Medyczna i III Klinika
Chirurgiczna, Warszawska Akademia Medyczna, Lodz, Zeromskiego 113.

*

KOWALSKI, STEFAN

Chemical Abst.
Vol. 48
Apr. 10, 1954
Biological Chemistry

The effect on microorganisms of 2-methyl-4-amino-1-naphthol hydrochloride (vitamin K₄). Stefan Kowalski, *Polaka Akad. Umiejetnosci Rocprawy Wydzialu Lekarskiego*, No. 12, 1-38(1952).—Vitamin K₄ was found more lethal against dermatophytes than against the non-disease producing fungi. Doses lethal after a 30-min. contact are as follows: *Trichophyton gypseum* 0.8; *Tr. gypseum* 0.7; *Tr. laetivorus* 1.0; *Fusca utilis* 1.0; *Saccharomyces cerevisiae* 3.0; *Monilia* 3.0; *Penicillium notatum* 10.0, and *Aspergillus niger* above 10.0 mg./ml. Vitamin K₄ is more effective against fungi when dissolved in a solid medium. Lethal doses under such conditions are: *Trichophyton violaceum* and *Tr. nitenum* 0.05; *Tr. gypseum* 0.08; *Achorion schenckii* 0.1; *Tr. laetivorus* 0.2; *F. utilis* 0.4; *Sacc. cerevisiae* 0.6; *Monilia* 0.25; *P. notatum* and *Asp. niger* 0.15 mg./ml. Low concns. of vitamin K₄ cause initial great increases in O₂ consumption by the fungi, which gradually falls down to control values. Higher concns., varying for different fungi and ranging from 0.77 mg./ml. for *Tr. gypseum* to 8.9 mg./ml. for *P. notatum*, inhibit the respiration after 90–120 min. Concns. of vitamin K₄ lethal for bacteria are: *Staphylococcus aureus* 0.02; *Bacillus subtilis* 0.03 and *Escherichia coli* 0.6 mg./ml.

Alina S. Szczesniak

BIRECKI, M.; DROESE, H.; KOWALSKI, St.; SMIERZCHALSKI, L.

Preliminary research on the possibility of applying shallow plowing and its proper application in crop rotation. Rocznik nauk rolniczych 83 no.1:49-72 '60. (EEAI 10:7)

1. Szkoła Główna Gospodarstwa Wiejskiego, Warszawa.
(Poland—Plowing) (Poland—Rotation of crops)

BIRECKI, M.; DROESE, H.; KOWALSKI, S.; SMIERZCHALSKI, L.

Changes in the soil structure during the vegetation period under some plants demonstrated by different indexes. Rocznik nauk roln 83 no.4: 829-852 '61.

SINGER, Zbigniew; KOWALSKI, Stefan; MACHALSKI, Marek

Mucoviscidosis in an internal disease clinic. Pol. arch. med.
wewn. 33 no.8:917-925 '63.

1. Z I Kliniki Chor. Wewn. Sl. AM w Katowicach Kierownik:
prof. dr med. J. Japa.

(PANCREATIC CYSTIC FIBROSIS) (SWEAT)
(SODIUM CHLORIDE) (PHOTOMETRY)

Kowalski, T.

CZECH/37-59-2-5/20

AUTHORS: J. Hladký, P. Chaloupka, V. Kadečka, T. Kowalski*)
and P. Mokrý

TITLE: Three Variations in the Intensity of Cosmic Radiation
in the First Half of 1958

PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 2,
pp 150-156

ABSTRACT: Research into variations of the primary component of cosmic radiation as a function of changes in the atmosphere of the sun, is expected to lead to useful information on the origin of cosmic radiation. To get a full picture of this variation, a large number of observations in varying geographical positions is necessary. From the regular and irregular variations of intensity of cosmic radiation, the influence of the sun is obvious. This may, in principle, have the following two reasons. The sun may be a source of the primary particles and may modulate them by its magnetic field. They are further modulated by changes in the Earth's magnetic field. Within the framework of the International Geophysical Year, a constant registration of the intensity of the penetrating component and of the neutron component of cosmic radiation was undertaken in two observatories. These are

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Three Variations in the Intensity of Cosmic Radiation in the First
Half of 1958 CZECH/37-59-2-5/20

Lomnický stit (2,634M above sea level: geomagnetic latitude 48°N) and Prague (228M above sea level: geomagnetic latitude 48°N). The apparatus in both stations is similar. The penetrating component (μ -mesons) were measured by two counting telescopes with geometry recommended by C.S.A.G.I. (Ref 4). The effective area of the set of counters was 2500 cm² at Lomnický stit and 3600 cm² in Prague. For the detection of neutrons, both stations used a monitor described by Simpson (Ref 5) and recommended by C.S.A.G.I. The continuous registration was carried out by two independent instruments in each station. The location of the stations determined the lower threshold of energies of primary particles which produced the measured components of the cosmic radiation. The range of energies can only be very roughly estimated. The average pressure at Lomnický stit is 550 mm Hg. The minimum energy of μ -mesons capable of penetrating the given amount of air and the absorber (10cm Pb) is about 1.8 GeV (Ref 6). The energy of the primary particles must be higher, i.e. about 20 GeV. ✓

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Three Variations in the Intensity of Cosmic Radiation in the First
Half of 1958

CZECH/37-59-2-5/20

For sea level, the minimum energy of primary particles must be about 30 GeV. For the neutron monitor, the situation is more complicated because the atmospheric processes involving nucleons are complicated. We may assume (Refs 8,9,10) that the particles have energies around 3 GeV for Lomnický stit and 7 GeV for sea level. During the first half of 1958, both stations registered three large variations in intensity of the penetrating and the neutron component. These were on the 25th March, 25th April and 7-9th May. These variations are shown in Figs 3, 4 and 5, together with the measurements on the intensity of the Earth's magnetic field. Table 1 shows the main characteristics of these variations. The magnetic and ionospheric data are taken from a publication by the Geophysical Institute of the Czechoslovak Academy of Science (Ref 11). The Prague data of the intensity of cosmic radiation are in good agreement with those measured in Moscow (Ref 12). The intensities of the various components of cosmic radiation are shown relative to the mean frequency of registered particles and only the

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CZECH/37-59-2-5/20
Three Variations in the Intensity of Cosmic Radiation in the First
Half of 1958

barometric effect has been corrected for. The barometric coefficient at Lomnický stit is 0.299%/mm Hg for the penetrating component and 1.058%/mm Hg for the neutron component. The same corrections in Prague are 0.218 and 0.95%/mm Hg respectively. The statistical error of the measurements was $\sigma = 0.28\%$ for the meson telescopes on Lomnický stit and $\sigma = 0.41\%$ for the neutron monitors. In Prague, the errors were $\sigma = 0.21\%$ for mesons and $\sigma = 0.96\%$ for neutrons. All other errors were considerably smaller than the statistical error, with the exception of a possible error introduced by changes in the geometry due to replacements of counters. All the reported measurements were taken without such replacements. The variation on the 25th March 1958 (Fig 3) is a typical variation associated with a magnetic storm. It has an accurately defined beginning which coincides with the beginning of the storm and lasts many days. The intensity of the meson component shows an increased daily variation. The neutron component showed this increased daily variation only at the Prague station. The amplitude of the disturbance was ✓

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CZECH/37-59-2-5/20
Three Variations in the Intensity of Cosmic Radiation in the First
Half of 1958

extraordinarily large and related to the intensity of the magnetic storm. Before the variation, an intensive eruption was observed on the sun (Ref 13) starting on the 23rd March at 0950 hours GMT. The variation on the 25th April (Fig 4) was a relatively small one. The state of the Earth's magnetic field was practically undisturbed until the next day. No eruption was observed on the sun. The May variation (Fig 5) showed a short increase in the neutron intensity at Lomnický štít on the 7th May at 2300 hours GMT. This was followed on the 9-10th May by a short decrease with a badly defined beginning, registered by all detectors. It is possible that the effect is due to a direct emission of particles with energies smaller than 7 GeV, possibly from a small eruption observed on the sun at 2335 hours GMT. During the following decrease, no large magnetic disturbance was observed. These measurements are for the period from 1st January to 30th June 1958. Measurements in both stations are being continued.

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Three Variations in the Intensity of Cosmic Radiation in the First
Half of 1958 CZECH/37-59-2-5/20

There are 5 figures, 1 table and 13 references, of which
5 are German, 5 English, 2 Soviet and 1 Czech.

ASSOCIATION: Fysikální ústav ČSAV, Praha
(Institute of Physics, Czechoslovak Ac. Sc., Prague)

Card 6/6 *) Akademia Górniczo-Hutnicza, Kraków

SUBMITTED: November 4, 1958

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KOWALSKI, T.

DYDYNsKA, M.; KAKOL, I.; KOWALSKI, T.; STRZELECKA, H.; NIEMIERKO, W.

Binding of nucleotides with muscle proteins and with other organs in frog. Acta physiol. polon. 8 no.3:316-318 1957.

1. Z Zakladu Biochemii Instytutu im. M. Nenckiego w Warszawie Kierownik:
prof. dr W. Niemierko.

(MUSCLE PROTEINS,

binding with nucleotides (Pol))

(NUCLEOSIDES AND NUCLEOTIDES,

binding with musc. proteins & other organs in vitro (Pol))

KRUC, S., dr; KOWALSKI, T^a, dr.

Organization of medical teams for rural antituberculous campaign;
remarks in discussion. Zdrowie pub., Warsz. no. 3:234-236 May-June
'55.

(TUBERCULOSIS, prevention and control
in Poland, med.teams for rural campaign)
(RURAL CONDITIONS

in Poland, med.teams for antituberculosis campaign)

KOWALSKI, Tadeusz; WOJCIECHIEWICZ, Jan

Tuberculosis among university students in Warsaw during 1951-58.
Gruzlica 27 no.5:409-418 Mv '59.

1. Z Zespolu Leczniczo-Profilaktycznego dla Studentow w Warszawie.
Kierownik: dr M. Swiderski.
(TUBERCULOSIS PULMONARY statist.)
(STUDENTS dis.)

KOWALSKI, T.

The first wave recorders in the Southern Baltic Sea. Tech gosp
morska 10 no.5/6:157-158 My-Je '60. (EEAI 9:10)

1. Instytut Morski, Gdansk.
(Waves)

KOWALSKI, Tadeusz

A concept of reconstructing the entrance to the Kolberg Harbor.
Tech gosp morska 10 no.9:281-284 S '60. (EEAI 10:3)
(Poland--Harbors)

KOWALSKI, Tadeusz

The use of radioactive isotopes for investigations of the motions of driftsand in the sea. Tech gosp morska 10 no.11:350-352 N '60.

(EEAI 10:3)

1. Institut Morski, Gdańsk
(Ocean) (Drift) (Radioisotopes)

KOWALSKI, Tadeusz, ing.

Wind rose. Tech gosp morska 13 no.4:110-111 Ap '63.

1. Instytut Morski, Gdańsk.

KOWALSKI, Tadeusz, inz.; SLOMIANKO, Paweł, doc. dr inz.; PASZKIEWICZ, Czesław, mgr; KARWOWSKI, Józef, doc. dr inz.; DRUET, Czesław, dr inz.; TURKELEWICZ-WITKOWSKA, Hanna, mgr inz.; SZARANIEC, Tadeusz, mgr inz.; ONOSZKO, Jerzy, mgr inz.; RBYINSKI, Jerzy, mgr inz.; HOFFMANN, Marian, mgr inz.

Discussions on papers and communications. Rozpr hydrotechn no.12: 119-127 '62.

1. Research Institute of Hydraulic Engineering, Polish Academy of Sciences, Gdańsk (for all except Kowalski and Paszkiewicz).
2. Maritime Institute, Gdańsk (for Kowalski).
3. State Hydrological and Meteorological Institute, Gdynia (for Paszkiewicz).

KOWALSKI, Tadeusz (Gdansk)

Consequences of deficient coast protection. Tech gosp morska
14 no.3: 79-80 Mr#64

KOWALSKI, Tadeusz; WRZESINSKA, Ewa

Epidemiological situation of tuberculosis among university students in Warsaw during the period of 1951-1963 and some data on the rehabilitation of infected students. Gruzlica 32 no.3:217-225 Mr '64.

l. Z Akademickiej Poradni Przeciwgruzliczej w Warszawie (Kierownik: dr. T. Kowalski).

KOWALSKI, W.

Kowalski W.

Kowalski W., Eng. "The Transfiguration of Systems in Electroacoustics." (transfiguracja układów w elektroakustyce). *Przegląd Telekomunikacyjny*, No. 1, 1949, pp. 6-11, No. 2-3, 1949, pp. 57-63, 21 figs., 1 tab.

The principles of transfiguration of vibration systems into oscillation systems. Numerous examples taken from electroacoustics demonstrate the possibility of making use of these transfigurations, as well as the advantages accruing from applying them.

SO: Polish Technical Abstracts - No. 2, 1951

KOWALSKI, W.; JASTRZEBSKI, J.; MATYJASZEK, H.; KOPROWSKI, L.; BIENIEK, J.

Biochemical blood changes in delayed union and pseudarthrosis of
the long bone. Chir. narz. ruchu ortop. polska 26 no.5:541-547
'61.

1. Z Kliniki Ortopedycznej AM i z Oddzialu Ortopedycznego Szpitala
Wojewodzkiego we Wrocławiu Kierownik: dr J. Kowalski.
(FRACTURES UNUNITED blood) (PSEUDARTHROSIS blood)
(BLOOD PROTEIN)

KOWALSKI, J.; JASTRZEBSKI, J.; KOWALSKI, W.

Treatment of old injuries of the proximal epiphyses of the forearm. Acta chir. orthop. traum. czech. 30 no.4:292-301 Ag '63.

l. Ortopedicka klinika lekarske akademie ve Vratislavi, pred-nosta doc. dr. J. Kowalski.

(ELBOW) (FOREARM INJURIES)

(FRACTURE FIXATION) (RADIUS FRACTURES)

(ULNA)

WOJCIECHOWSKI, J.; JASTRZEBSKI, J.; KOWALSKI, W.

Histomorphology of delayed union and pseudarthrosis of the long bone. Chir. narz. ruchu ortop. polska 26 no.5:549-557 '61.

1. Z Kliniki Ortopedycznej AM we Wrocławiu i z Oddziału Ortopedycznego Szpitala Wojewódzkiego we Wrocławiu Kierownik: dr J.Kowalski z Zakładu Anatomii Patologicznej AM we Wrocławiu Kierownik: prof. dr Z.Albert.
(FRACTURES UNUNITED pathol)
(PSEUDARTHROSIS pathol)

KOWALSKI, W., mgr inż.

"Properties of 35H2GSA high strength steel" by J.Goldsztein,
M.Balachowskaja. Reviewed by W.Kowalski. Przegl mech 22 no.2:
54-55 25 J '63.

KOWALSKI, W., mgr inz.

"Computation of the wall thickness of injection molds for large containers made of plastics with flat side walls" by H.Gastrow.
Reviewed by W.Kowalski. Przegl mech 22 no.2:56 25 J '63.

KOWALSKI, W., mgr inż.

"Thermal fatigue studies" by T. Bishop. Reviewed by
W. Kowalski. Przegl mech 22 no.6:190 25 Mr '63.

L 12373-63

EWP(a)/EWR(m)/BDS AFFTC/ASD JD

S/081/63/000/005/001/075

52

AUTHOR: Kowalski, W.

TITLE: Structural changes occurring in liquid sulfur, concluded on the basis of measurement of speed of propagation of ultrasonic waves

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1963, 43, abstract 5B271
(Roczn. Chem., 1962, v. 36, no. 6, 1077-1086)

TEXT: An attempt was made to explain structural changes in liquid sulfur occurring during changes in temperature on the basis of analysis of the velocity of ultrasonic propagation. For these measurements a special ultrasonic pulse phase interferometer was constructed, operating at 1 Mc frequency. The accuracy of measurement was between 0.11 - 0.14 %. The sample was carefully purified, especially from organic impurities, since these latter increase the velocity of ultrasonic waves. The curve of temperature dependence of ultrasonic waves had three inflection points: 1) 154-158° C (minimum viscosity), 2) 185 - 191° C (maximum viscosity) and 3) 243 - 252° C (Termination of the sharp decline of viscosity curve). A series of conclusions were drawn which modified our knowledge of structural changes of liquid sulfur upon heating. At 159 - 168° C the

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L 12373-63

Structural changes occurring in

S/081/63/000/005/001/075

sulfur molecules united in long chains. The maximum viscosity coincided with decomposition of long chains. At 250° C the average chain length decreased even more. S. Sh.

[Abstractor's note: Complete translation]

Card 2/2

HRYCKO-SPIOCHOWA, Maria; WAZNA-BOGUNSKA, Czeslawa; KOWALSKI, Waclaw;
MAJEWSKI, Henryk

On the problem of "asymptomatic" peritonitis, Pol. tyg. lek. 17 no.14:
516-517 2 Ap '62.

1. Z Zakladu Anatomii Patologicznej Sl. AM w Zabru; kierownik: prof.
dr med. Witold Niepolomski.

(PERITONITIS diag)

JOPKIEWICZ, Ryszard; KOWALSKI, Waclaw

A case of keratotic carcinoma planoepitheliolale of the skin
with metastases to the myocardium. Pol. tyg. lek. 19 no.26:
1000-1001 22 Je'64

1. Z Zakladu Anatomii Patologicznej Sl. Akademii Medycznej
w Zabru (kierownik: prof. dr. W. Niepolomski) i z Kliniki
Dermatologicznej Sl. Akademii Medycznej w Zabru (kierownik:
prof. dr. T. Chorazak).

KOWALSKI, J.; JASTRZEBSKI, J.; KOWALSKI, W.; MATYJASZEK, H.; WALL, A.

Behavior of creatine and cratinine in trauma patients during
balneo-rehabilitation procedures. Chir.narzad. ruchu ortop.
pol. 29 no.1:13-16 '64

1. Z Kliniki Ortopedycznej AM we Wrocławiu i z Oddziału
Ortopedycznego Szpitala Wojewódzkiego we Wrocławiu (kie-
rownik: doc.dr.med. J.Kowalski)

*

ZAREBA, Jerzy; KOWALSKI, Waclaw

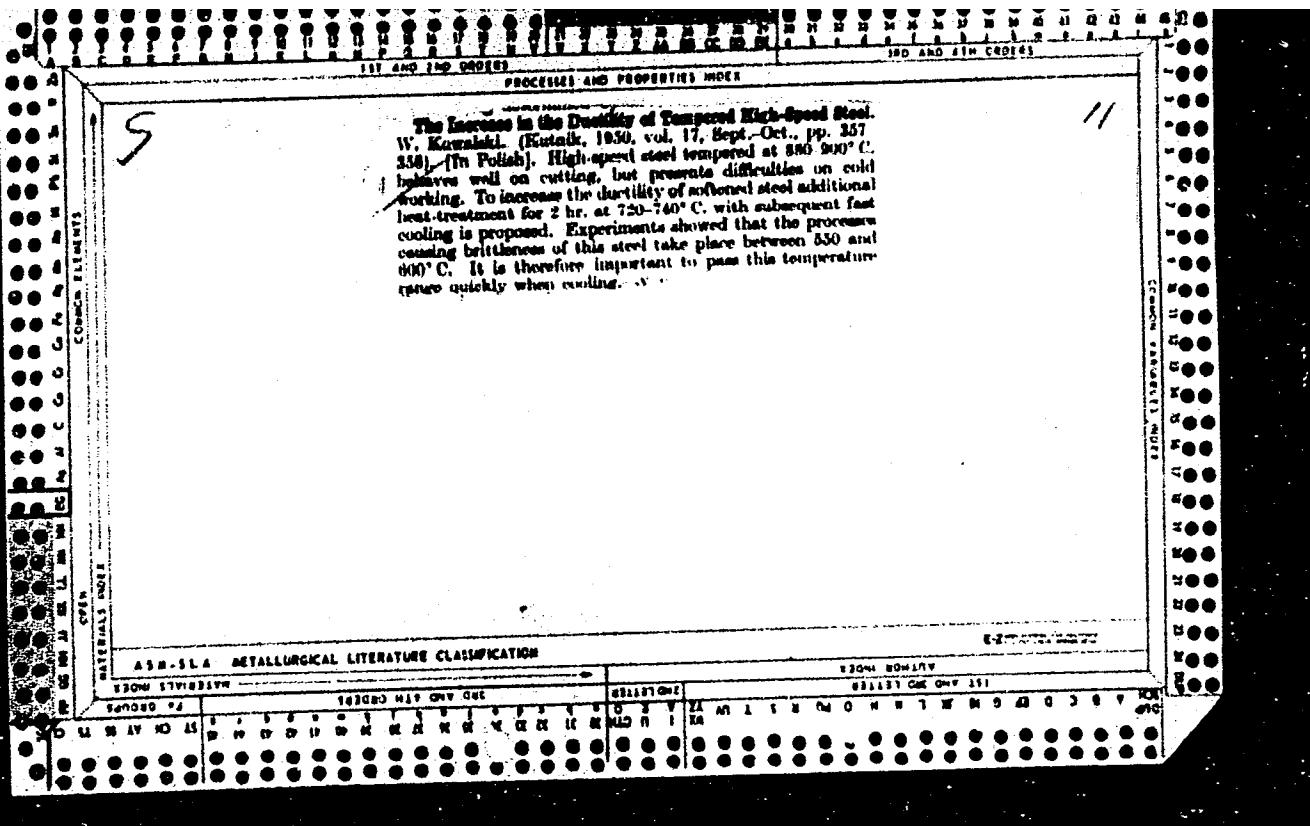
Lymphangioma of the ileum in hypertrophic pyloric stenosis
in an infant. Pediat. Pol. 40 no.10:1127-1128 0 '65.

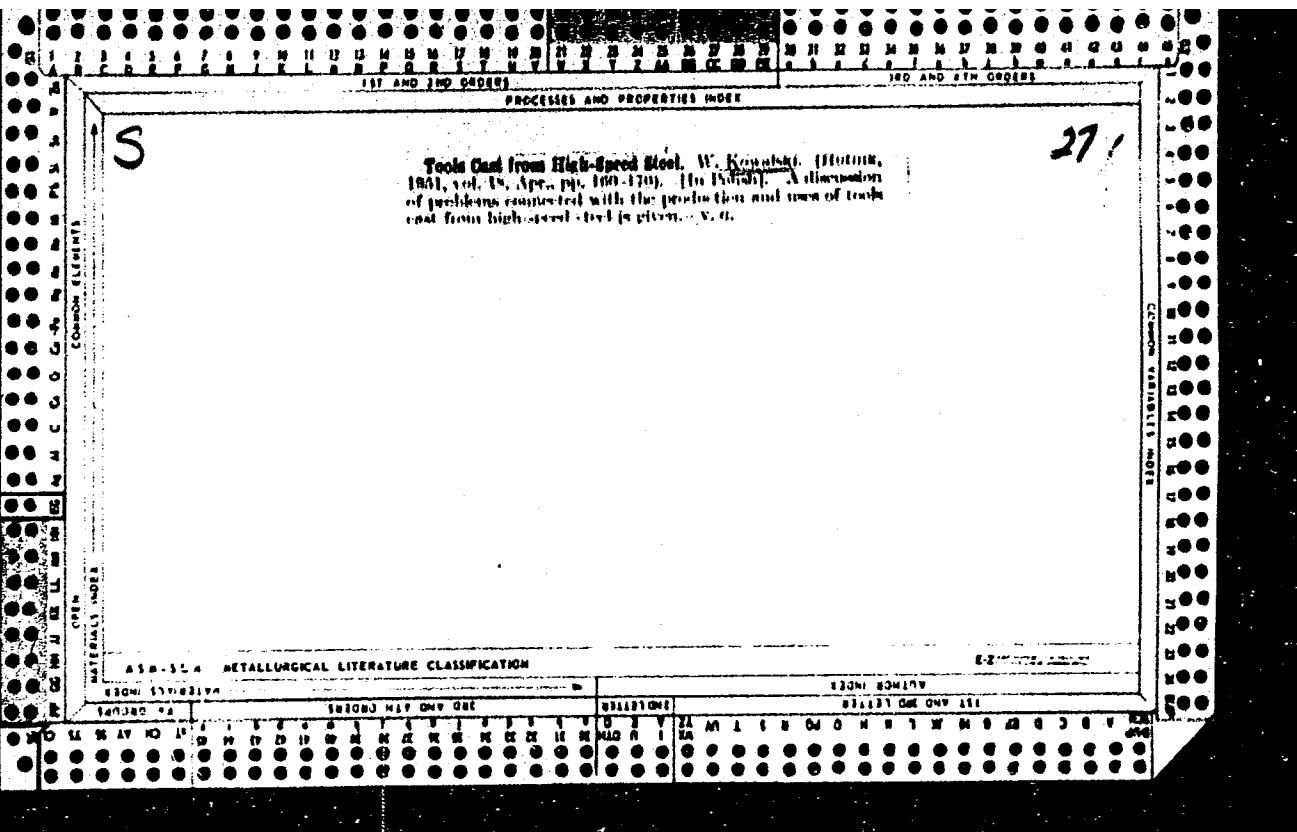
1. Z Kliniki Chorob Dzieci AM w Zabrzu (Kierownik: prof. dr.
A. Chwalibogowski [deceased]) i z Zakladu Anatomii Patologicznej
AM w Zabrzu (Kierownik: prof. dr. W. Niepolomski).

***On the Mechanical Properties of Zinc-Aluminum Alloys.** W. Brzozowski and W. Kowalski (*Ann. Acad. Sci. Tech. Warsaw*, 1937, 4, 216-226).—The mechanical properties of rolled zinc-aluminium alloys containing 0.25 and 76-100 weight-% aluminium were studied, after subjecting the specimens to varied heat-treatment. The alloys were cast from electrolytically-pure zinc and 99.6% aluminium. The zinc-rich alloys were either annealed for 30 minutes at 400°C. and cooled in air, or quenched from 330°C. after annealing for 1 hr. at that temperature. The quenched alloys were allowed to age for 3 weeks at room temperature. The aluminium-rich alloys were either annealed for 30 minutes at 400°C., or quenched from 540°C. after annealing for 1 hr. at that temperature, being then aged for 10 days at room temperature. The tensile strength, elastic limit, extension, constrictions, hardness, and resilience of each specimen were then measured, and the Brinell coeff. and work of fracture calculated. The examination was extended to a similar series of alloys containing in addition 3% copper. It was found that, whereas the extension and constrictions of pure zinc are reduced almost to zero by quenching, the extension of the binary alloy containing 18% aluminium is doubled by this treatment. For the aluminium-rich binary alloys, the tensile strength and elastic limit are increased by quenching, but the extension is considerably decreased, so that the work of fracture is also reduced. The hardness of the zinc-rich binary alloys, which is too small to permit their industrial use, is increased considerably by the addition of 3% copper, so that ternary alloys containing 7-23% aluminium satisfy all the conditions for industrial application. The addition of copper to the aluminium-rich alloys increases their hardness and tensile strength, but decreases their extension and resilience. Among the light aluminium-zinc alloys containing 3% copper, the best mechanical properties appear to be exhibited by the alloy with 14% zinc in the re-annealed state.—V. W. R.

ASME-SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825720C





KOWALSKI, W.

3
✓ 110. The direct determination of combined oxygen in metals and metal oxides. I. The determination of zinc oxide in zinc dust and zinc ash. K. Chardou and W. Kowalski. *J. Research NBS* [U.S.] 65A, 237-243. A new and rapid method is described in which the test material is treated with ammonium hydroxide halides, e.g., HBr in toluene, ethane or HCl in acetic acid; the water formed by reaction with the ZnO being determined by Karl Fischer titration. The best procedure consists in dissolving samples of ZnO (0.2 to 0.4 g) or zinc dust (2 to 5 g dried at 110° C) in acetic acid (30 ml) saturated with HCl (~ 2.5 moles per liter) in a Pyrex narrow-necked flask (100 to 300 ml) and, if necessary, temp. up to 60° C. Addition of anhydrous pyridine (50 ml per g of test material) will reduce the excess of HCl and keep the pyridinium chloride in solution. Titration with Karl Fischer solution and comparison with a blank determination affords an accuracy of ± 0.8 per cent for ZnO and ± 0.6 per cent for zinc-dust samples. D. R. GRASOW

(1)

P/035/61/000/003/002/002
A076/A126

AUTHOR: Kowalski, Wiesław, Master of Engineering

TITLE: A microscope for metal examination at high temperatures

PERIODICAL: Przegląd Mechaniczny, no. 3, 1961, 70 - 74

TEXT: The article describes a metallographic microscope, permitting the observation of changes occurring in metal structure at 1,600°C, and an apparatus producing high vacuum. The microscope produced by C. Reichert Optical Plant in Vienna, Austria was exhibited during the 29th International Poznan Fair. The high vacuum apparatus, type "vacutherm", is produced by the Leybold Hochvakuum- lagen GmbH (High Vacuum Installation GmbH) in Cologne-Bayental, West Germany. In addition, steel structure photographed with the aid of the above equipment at different temperatures is described. There are 5 photographs, 2 figures, and 11 references: 3 Soviet-bloc, and 8 non-Soviet-bloc.

ASSOCIATION: Instytut Mechaniki Precyzyjnej, Warszawa (Institute of Precision Mechanics, Warsaw)

Card 1/1

KOWALSKI, Wieslaw, mgr inz.

"Marworking high-speed steel" by R.F. Harvey. Reviewed by
Wieslaw Kowalski. Przegl mech 21 no.15:478 10 Ag '62.

KOWALSKI, Wieslaw, mgr inz.

"Technology of manufacture of instruments cast from high-speed steel with the addition of boron" by N.D. Tiutiewa, Ju.A. Jewtiuszkin. Reviewed by Wieslaw Kowalski. Przegl mech 21 no.18:573-574 25 S '62.

KOWALSKI, Wieslaw, mgr inz.

"New high-speed steels" by A.G. Iwanow. Reviewed by Wieslaw Kowalski. Przegl mach 21 no.18:575-576 25 s '62.

KOWALSKI, Wieslaw, mgr inz.

"Homogenizing annealing of cast iron modified with magnesium"
by R.P. Todorow, G.J. Koszownik. Reviewed by Wieslaw Kowalski.
Przegl mech 21 no.21:673 N '62.

KOWALSKI, W.

"Cast iron with admixed antimony as bronze substitute" by A.I.
Smirnow, B.W. Czelpanow, L.L. Jokielczyk. Reviewed by W. Kowalski.
Przegl mech 21 no.22:707-708 25 N '62.

KOWALSKI, Wieslaw, mgr inz.

"Machining properties of high-percentage-tungsten-cobalt-vanadium steel" by I. Amosow, A. Bielow, B. Zlotnickij, A.W. Popandopulo. Reviewed by Wieslaw Kowalski. Przegl mechan 21 no.23:738-739 10 D '62.

KOWALSKI, Wieslaw, mgr inz.

"Influence of phosphorus upon the durability of welded joints of
X18H9T steel" by B.I. Miedowar, N.I. Pinczuk, L.G. Puzrin. Reviewed
by Wieslaw Kowalski. Przegl mech 21 no.24:771 25 D '62.

KOWALSKI, W., mgr inz.

"Thermomagnetic and thermomechanicomagnetic machining of tool steels" by L.A. Czudnowskaja, M.L. Biersztejn, L.G. Szewiakowa.
Reviewed by W. Kowalski. Przegl mech 22 no.1:24 10 Ja '63.

KOWALSKI, Wieslaw, mgr inz.

"Influence of grinding burnings upon fatigue resistance of gears" by E.L. Ajrapietow, M.D. Gienkin, M.A. Ryzow.
Reviewed by Wieslaw Kowalski. Przegl mech 22 no.4:124-125
25 F '63.

KOWALSKI, Wieslaw, mgr inz.

"Thermal machining of steel rollers for cold rolling.
Przegl mech 22 no.5:158 10 Mr '63.

KOWALSKI, Wieslaw

Optimum conditions for thermal working of high chromium
NCWV tool steel. Inst mech precyz 11 no.39:42-52 '63.

KOWALSKI, Wieslaw, mgr inz.

"Thermomechanical treatment of spring steel and its machinability" by M.L. Biernsztejn, A.G. Rachstadt. Reviewed by Wieslaw Kowalski. Przegl mech 22 no.3:89 10 F '63.

KOWALSKI, Wieslaw, mgr inz.

"Isothermal hardening of Y8 steel" by A.A. Diatlow [A.A. Diatlov],
Ja. I. Szubow [Ya.I. Shubov]. Reviewed by Wieslaw Kowalski.
Przegl mech 22 no.22:706-707 25 N '63.

WILK, Andrzej, mgr inz.; WIRBILIS, Stanislaw, mgr inz.;
KOWALSKI, Wieslaw, mgr inz.

Technological press review. Przegl medz 23 no. 2: 56-60
Ja '64.

KOWALSKI, Wieslaw, mgr inz.

"Application of 40HGTR steel to axle shafts of automobile bridges" by W.L. Grinkrug [Grinkrug, V.L.], P.Ja. Gruzbow [Gruzdov, P.Ya.], W.F. Nikonow [Nikonov, V.F.]; A.G. Wozlinskij [Vozlinskiy, A.G.] Reviewed by Wieslaw Kowalski.
Przegl mech 22 no.21:672-673 10 N '63.

ROHATYNSKI, R., dr inz.; WIRBILIS, Stanislaw, mgr inz.
KOWALSKI, Wieslaw, mgr inz.

Review of technical publications. Przegl mech 23
no. 1: 24-27 10 Ja '64.

KOWALSKI, Wieslaw, mgr inz.

"Influence of the heating conditions in hardening tool steel
into high-speed steel" by Je.A.Smolinikow [Smol'nikov, Ye.A].
Reviewed by Wieslaw Kowalski. Przegl mach 22 no.24:770 D'63.